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From: Robert D. Marshall, Jr.  
Texas Instruments Incorporated  
Facsimile: 972-917-4418  
Phone: 972-917-5290

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**JUL 12 2005**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of  
Kaoru Awaka, et al.

Serial No.: 09/963,480  
Filed: September 27, 2001  
For: Multiply-Accumulate Modules and Parallel Multipliers and Methods for Designing  
Multiply-Accumulate

TI-33253  
Art Unit: 2193  
Examiner: Chat C. Do  
Conf. No.: 8718

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Robin E. Bamum

July 12, 2005

Date

**FACSIMILE COVER SHEET**

<input checked="" type="checkbox"/> <b>FACSIMILE COVER SHEET</b>	<input checked="" type="checkbox"/> <b>AMENDMENT</b> <u>116</u> ( <u>12</u> Pages)
<input type="checkbox"/> <b>NEW APPLICATION</b>	<input type="checkbox"/> <b>EOT</b> _____ (# Page)
<input type="checkbox"/> <b>DECLARATION (# Pages)</b>	<input type="checkbox"/> <b>NOTICE OF APPEAL (# Pages)</b>
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<input type="checkbox"/> <b>CONTINUATION APPN (# Pages)</b>	
<input type="checkbox"/> <b>DIVISIONAL APPN</b>	
<b>NAME OF INVENTOR(S):</b>	
Kaoru Awaka, et al.	
<b>TITLE OF INVENTION:</b>	
Multiply-Accumulate Modules and Parallel Multipliers and Methods for Designing Multiply-Accumulate	
<b>TI FILB NO.:</b>	<b>DEPOSIT ACCT. NO.:</b>
<b>TI-33253</b>	<b>20-0668</b>
<b>FAXED:</b>	<b>7/12/05</b>
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<b>RECEIPT DATE &amp; SERIAL NO.:</b>	
<b>Serial No.: 09/963,480</b>	
<b>Filing Date: September 27, 2001</b>	

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Texas Instruments Incorporated  
PO Box 655474, M/S 3999  
Dallas, TX 75265

RESPONSE UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 2193

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE **RECEIVED**  
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Applicant: Awaka et al Art Unit: 2193 **JUL 12 2005**  
Serial No.: 09/963,480 Examiner: Chat C. Do  
Filed: September 27, 2001 Docket: TI-33253  
For: MULTIPLY-ACCUMULATE MODULES AND PARALLEL MULTIPLIERS AND  
METHODS FOR DESIGNING MULTIPLY-ACCUMULATE

AMENDMENT UNDER 37 C.F.R. 1.116

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATION OF FAX TRANSMITTAL  
UNDER 37 C.F.R. §1.6(b)

I hereby certify that the above correspondence is being facsimile transmitted to the Patent and Trademark Office on July 12, 2005.

  
Robin E. Barnum

Dear Sir:

The following amendments and remarks are offered in response to the Examiner's Office Action dated May 19, 2005. These amendments are respectfully submitted as a full and complete response to that Action.

Please amend the above referenced application as follows: